GOVERNMENT OF INDIA
FINANCE
LOK SABHA

UNSTARRED QUESTION NO:2261
ANSWERED ON:28.07.2017
GSTN
Mondal Smt. Pratima

Will the Minister of FINANCE be pleased to state:

(a) Whether the Government has taken adequate information security measures before rolling out of GSTN for public use, if so, the details thereof;

(b) whether the measures taken are in compliance with the international/national standards; and

(c) if not, the reason therefor?

Answer

The Minister of STATE IN MINISTRY OF FINANCE

(a) GSTN has designed GST Systems with various requisite security measures including the following:
i. Core GST System is not exposed directly to internet, any interaction with GST system is via APIs only
ii. Multi-layered security architecture
iii. Segregation via VLANs / Zoning, SODs, least privilege access principles, IP filtering/blocking rogue IPs, Resiliency at each layer
iv. Security tools & technologies like APT, Firewall, PIM, IDAM, SSO, WAF, DAM etc.
v. Secure Coding practices ensuring security of GST software development throughout SDLC (Software Development Life Cycle)
vi. Data Encryption (At rest and during transit) and Data sharing- Any data transfer from GST System in encrypted format using AES256/SHA256
vii. Thorough Security testing i.e. Secure code scanning, static and dynamic Analysis of Open Source components, Full system VA/PT of IT Infra, Apps using licensed tools and customized scripts
viii. Security Operations Command Centre (SOCC)

(b) The measures are taken in compliance with International standard for Information Security Management System i.e. ISO27001:2013.

(c) Does not arise due to (b) above.